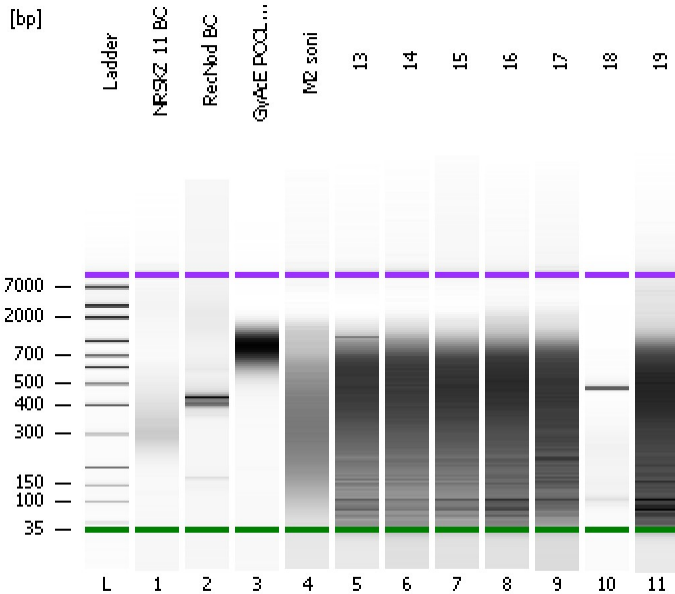


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
Modified: 5/17/2016 1:41:31 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

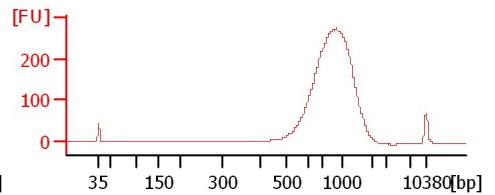
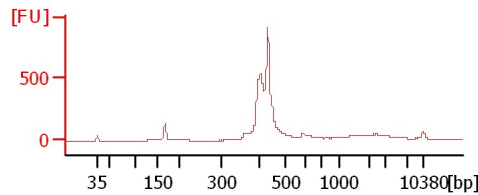
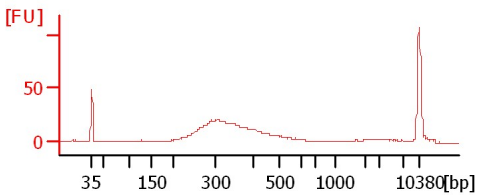
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

NRSKZ 11 BC

RecNod BC

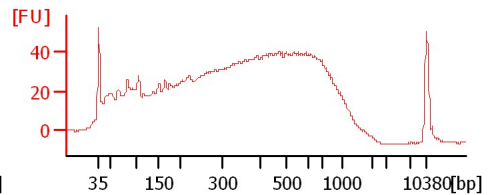
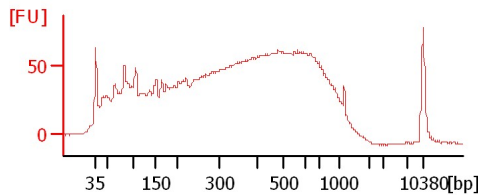
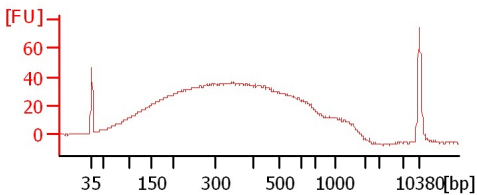
GyAcE POOL SS Lib (2nd 0.55X)



M2 soni

13

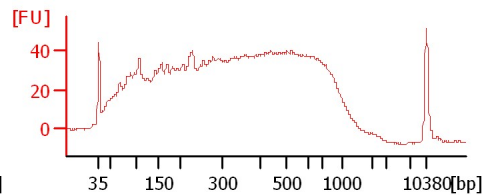
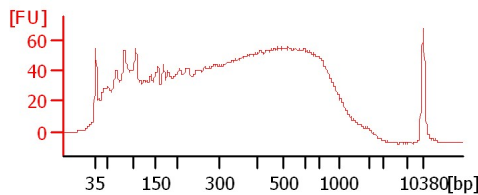
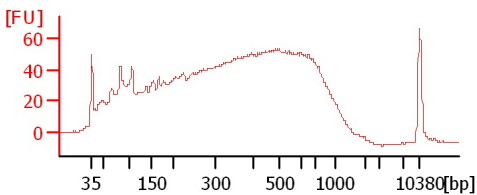
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15

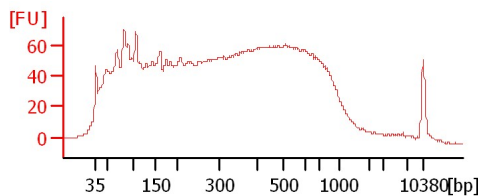
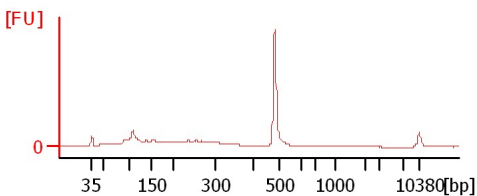
16

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19



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
Modified: 5/17/2016 1:41:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NRSKZ 11 BC		<input type="checkbox"/>	✓			
RecNod BC		<input type="checkbox"/>	✓			
GyAcE POOL SS Lib (2nd 0.55X)		<input type="checkbox"/>	✓			
M2 soni		<input type="checkbox"/>	✓			
13		<input type="checkbox"/>	✓			
14		<input type="checkbox"/>	✓			
15		<input type="checkbox"/>	✓			
16		<input type="checkbox"/>	✓			
17		<input type="checkbox"/>	✓			
18		<input type="checkbox"/>	✓			
19		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
Modified: 5/17/2016 1:41:31 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

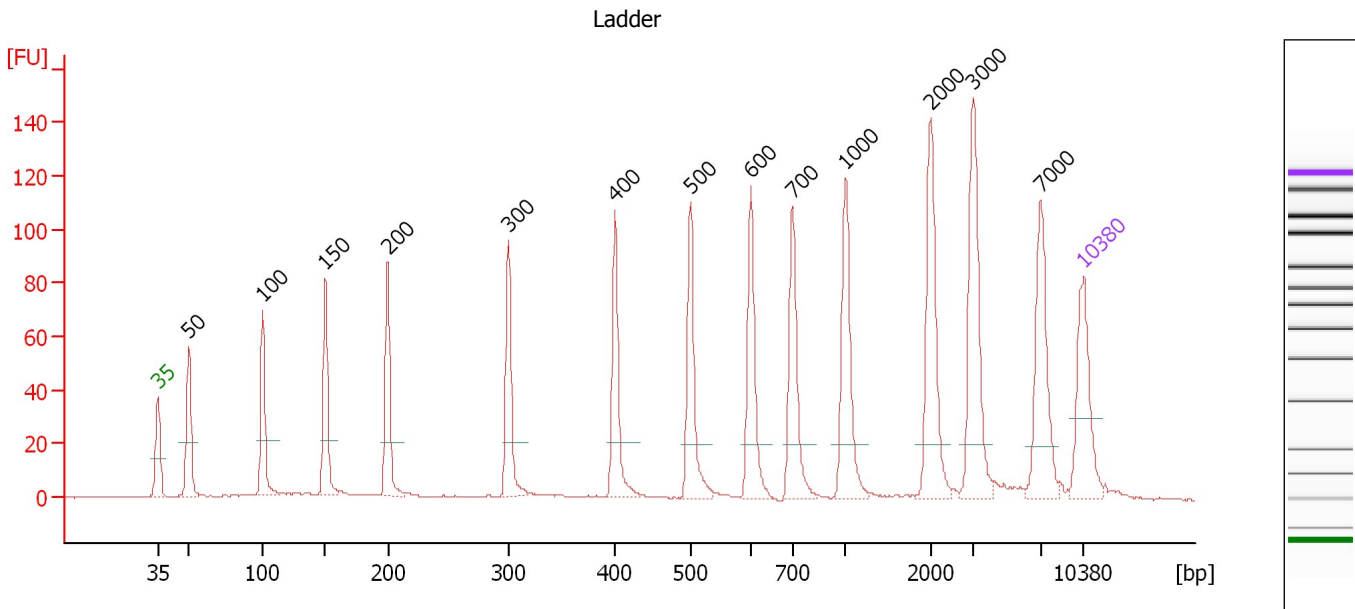
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

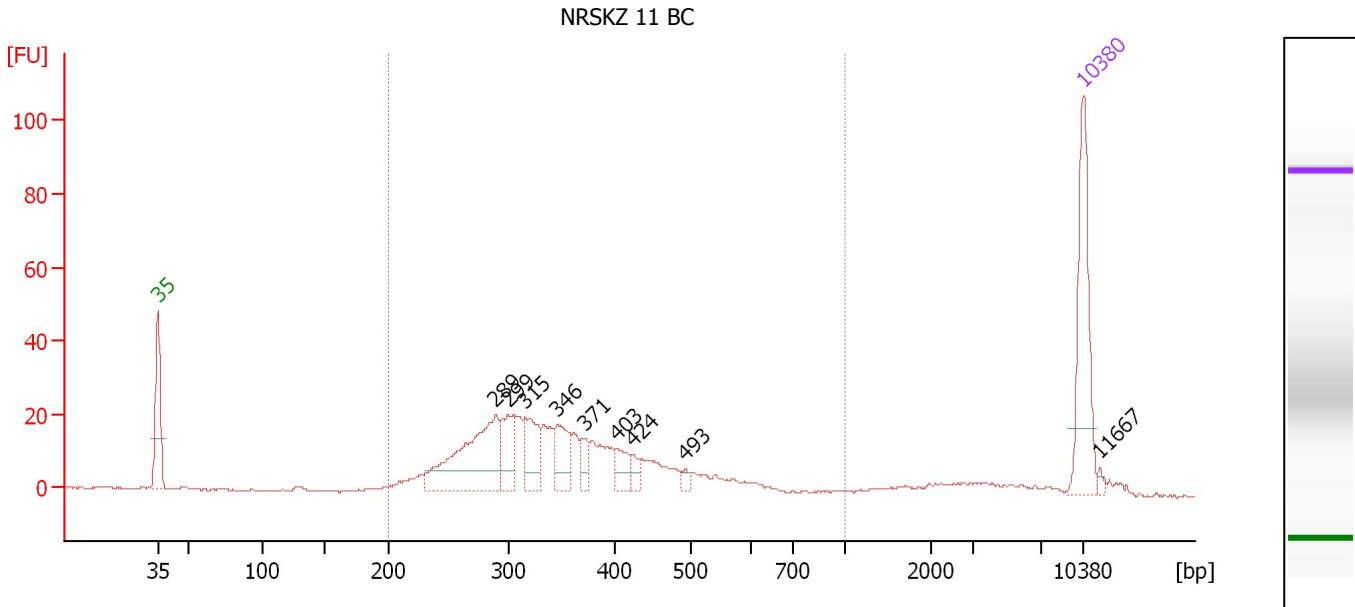
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.68
5	200	150.00	1,136.4	Ladder Peak	60.41
6	300	150.00	757.6	Ladder Peak	69.54
7	400	150.00	568.2	Ladder Peak	77.59
8	500	150.00	454.5	Ladder Peak	83.29
9	600	150.00	378.8	Ladder Peak	87.83
10	700	150.00	324.7	Ladder Peak	91.00
11	1,000	150.00	227.3	Ladder Peak	95.00
12	2,000	150.00	113.6	Ladder Peak	101.49
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.73
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NRSKZ 11 BC

Number of peaks found: 9 Corr. Area 1: 414.4
 Noise: 0.3

Peak table for sample 1 : NRSKZ 11 BC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	289	130.88	686.0		68.54
3	299	40.94	207.1		69.49
4	315	42.40	204.1		70.73
5	346	36.67	160.7		73.22
6	371	14.15	57.8		75.26
7	403	18.10	68.1		77.75
8	424	10.44	37.3		78.95
9	493	4.68	14.4		82.88
10	10,380	75.00	10.9	Upper Marker	113.00
11	11,667	0.00	0.0		114.24

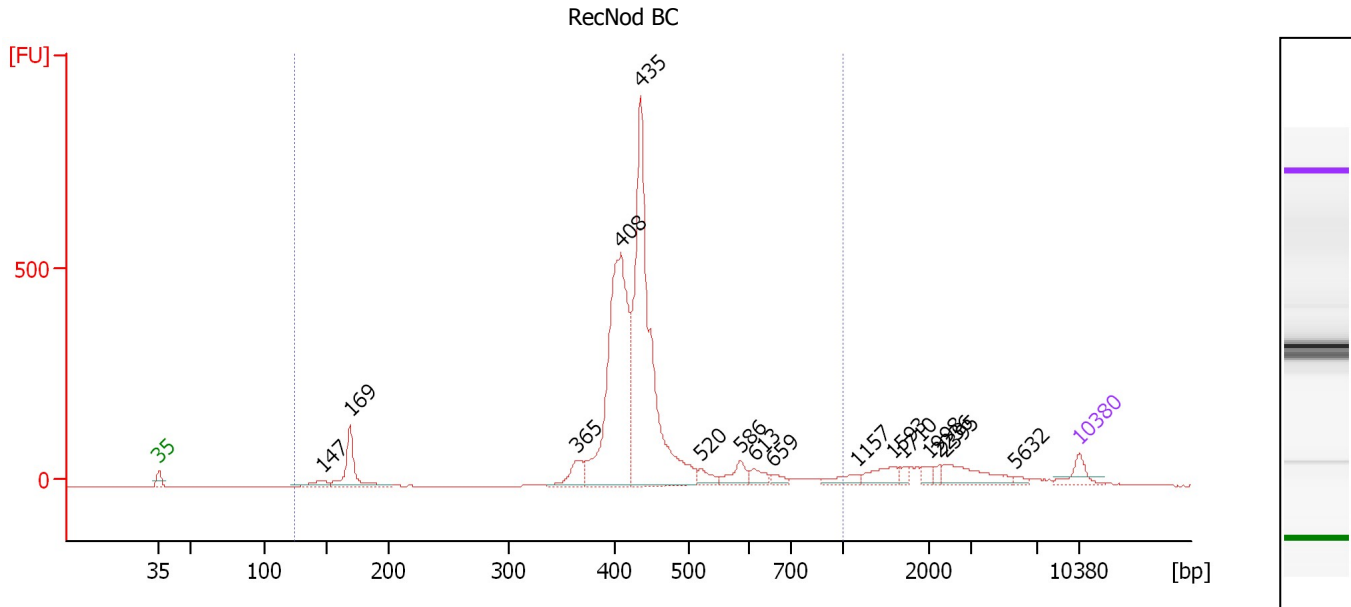
Region table for sample 1 : NRSKZ 11 BC

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	361	414.4	2,364.8	515.51	88	28.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RecNod BC

Number of peaks found: 16 Corr. Area 1: 3,624.1
 Noise: 0.2

Peak table for sample 2 : RecNod BC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	147	77.51	799.9		55.38
3	169	348.06	3,115.7		57.51
4	365	139.93	581.4		74.74
5	408	1,680.50	6,245.2		78.03
6	435	2,060.87	7,175.6		79.59
7	520	71.60	208.7		84.19
8	586	107.90	279.2		87.17
9	613	71.90	177.8		88.23
10	659	41.56	95.6		89.70
11	1,157	66.10	86.6		96.02
12	1,593	110.22	104.8		98.85
13	1,710	27.43	24.3		99.61
14	1,998	35.63	27.0		101.48
15	2,236	28.11	19.1		102.23
16	2,395	168.56	106.6		102.74
17	5,632	18.21	4.9		108.00
18	10,380	75.00	10.9	Upper Marker	113.00

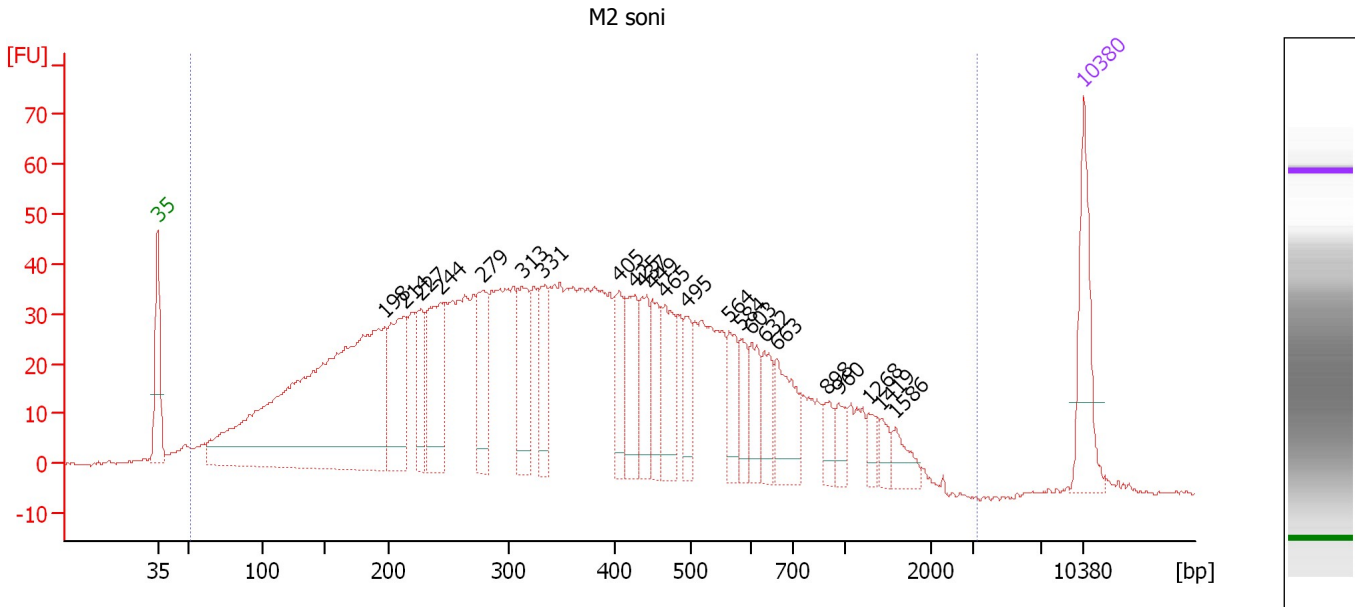
Region table for sample 2 : RecNod BC

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
124	1,000	436	3,624.1	19,385.1	4,852.49	85	25.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : M2 soni

Number of peaks found: 23 Corr. Area 1: 1,944.8
 Noise: 0.3

Peak table for sample 4 : M2 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	198	786.95	6,033.2		60.19
3	214	147.87	1,047.2		61.69
4	227	68.88	459.8		62.87
5	244	135.84	843.7		64.42
6	279	89.22	484.4		67.62
7	313	89.52	433.6		70.57
8	331	77.12	352.6		72.06
9	405	55.96	209.1		77.90
10	425	81.88	291.7		79.03
11	437	61.20	212.1		79.70
12	449	55.62	187.8		80.37
13	465	74.17	241.6		81.30
14	495	42.98	131.5		83.01
15	564	43.28	116.2		86.21
16	584	35.22	91.4		87.09
17	603	42.59	107.1		87.91
18	632	40.38	96.8		88.84
19	663	71.50	163.4		89.82
20	898	23.02	38.8		93.64
21	960	21.79	34.4		94.47
22	1,268	15.25	18.2		96.74
23	1,419	15.61	16.7		97.72
24	1,586	23.58	22.5		98.80
25	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...

... Region table for sample 4 :

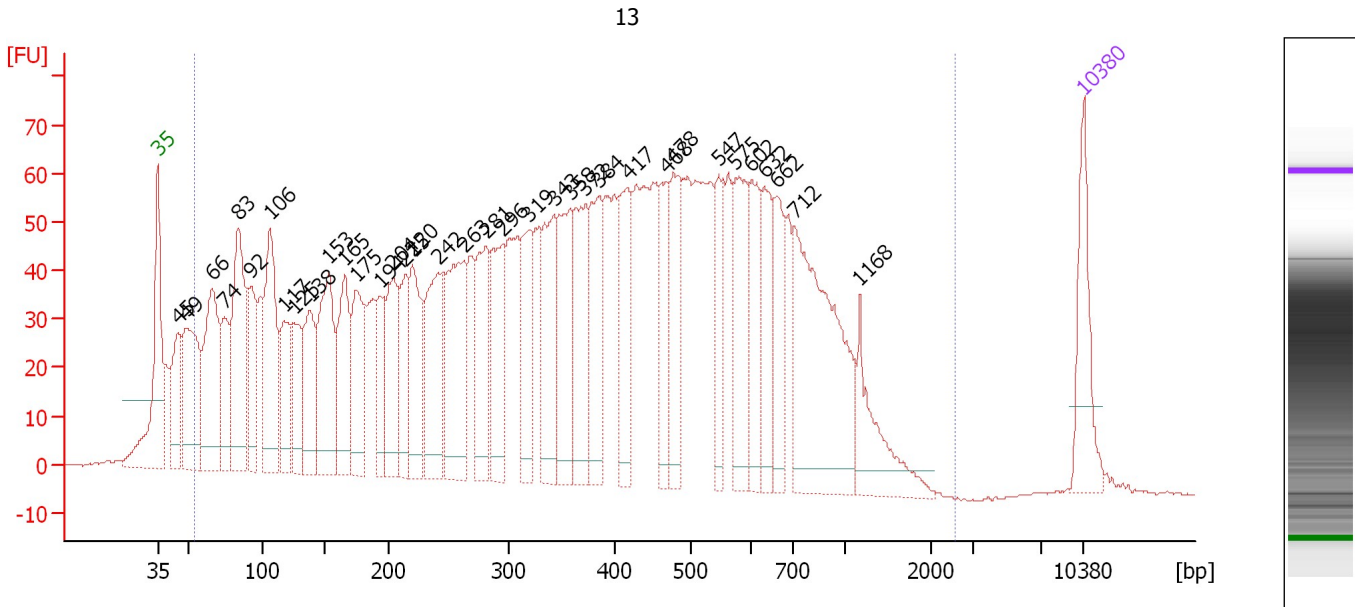
M2 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
51	3,187	414	1,944.8	23,056.3	 3,601.67	99	69.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 13

Number of peaks found: 36 Corr. Area 1: 3,318.5
 Noise: 0.2

Peak table for sample 5 : 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	108.37	3,685.2		44.52
3	49	198.13	6,188.3		45.15
4	66	219.72	5,058.6		47.15
5	74	96.55	1,981.3		48.04
6	83	240.48	4,375.2		49.09
7	92	111.47	1,830.8		50.09
8	106	206.83	2,959.9		51.51
9	117	92.93	1,203.7		52.56
10	125	97.07	1,179.0		53.29
11	138	123.59	1,361.8		54.50
12	153	200.59	1,985.9		55.97
13	165	140.49	1,288.1		57.13
14	175	130.58	1,132.6		58.02
15	194	87.42	684.4		59.80
16	204	129.06	957.4		60.80
17	215	84.35	595.5		61.75
18	220	133.38	917.1		62.27
19	242	156.14	978.9		64.22
20	263	186.52	1,074.7		66.16
21	281	133.70	719.9		67.84
22	296	132.12	676.8		69.15
23	319	114.47	544.2		71.04
24	343	144.39	638.1		72.98
25	358	138.63	587.0		74.19

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	372	130.78	532.4		75.35
27	384	124.98	493.2		76.29
28	417	110.92	403.1		78.55
29	468	91.98	298.1		81.44
30	478	105.81	335.6		82.02
31	547	79.58	220.4		85.43
32	575	120.28	317.0		86.69
33	602	93.96	236.4		87.90
34	632	86.95	208.4		88.84
35	662	79.02	180.9		89.79
36	712	306.14	651.9		91.15
37	1,168	85.62	111.1		96.09
38	10,380	75.00	10.9	Upper Marker	113.00

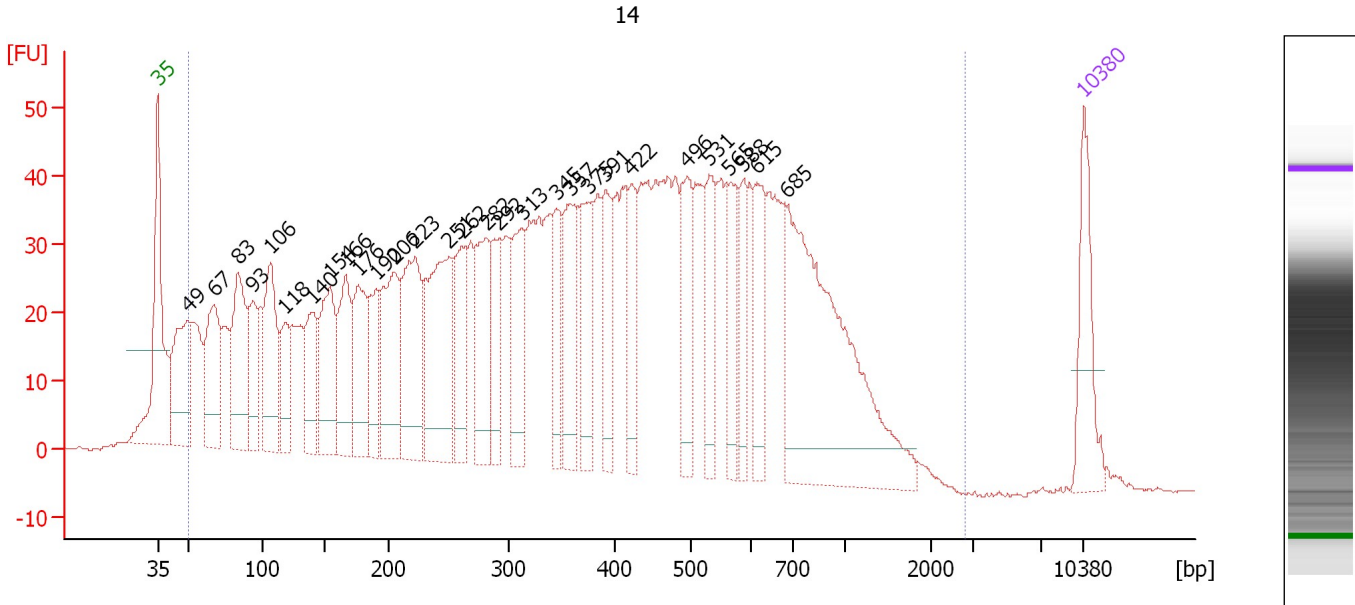
Region table for sample 5 : 13

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
53	2,552	410	3,318.5	43,935.9	5,813.49	96	63.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 14

Number of peaks found: 29 Corr. Area 1: 2,250.5
 Noise: 0.2

Peak table for sample 6 : 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	49	158.21	4,864.7		45.28
3	67	152.35	3,467.7		47.23
4	83	174.08	3,169.4		49.08
5	93	84.98	1,381.4		50.20
6	106	157.52	2,251.7		51.52
7	118	74.47	958.4		52.63
8	140	96.78	1,050.9		54.69
9	154	149.50	1,470.2		56.07
10	166	123.28	1,122.7		57.23
11	176	126.38	1,085.3		58.19
12	190	82.35	655.2		59.51
13	206	152.40	1,122.4		60.94
14	223	186.95	1,272.8		62.47
15	251	225.66	1,362.4		65.06
16	262	99.60	576.0		66.07
17	282	128.72	692.3		67.87
18	292	80.99	420.0		68.82
19	313	108.27	524.5		70.57
20	345	75.63	332.1		73.16
21	357	115.42	489.2		74.16
22	375	101.63	410.4		75.59
23	391	90.26	349.7		76.86
24	422	78.84	283.3		78.82
25	496	98.78	301.9		83.05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 6 : 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	531	79.23	226.1		84.69
27	565	79.68	213.8		86.23
28	588	63.03	162.4		87.29
29	615	85.11	209.8		88.29
30	685	436.79	966.6		90.51
31	10,380	75.00	10.9	Upper Marker	113.00

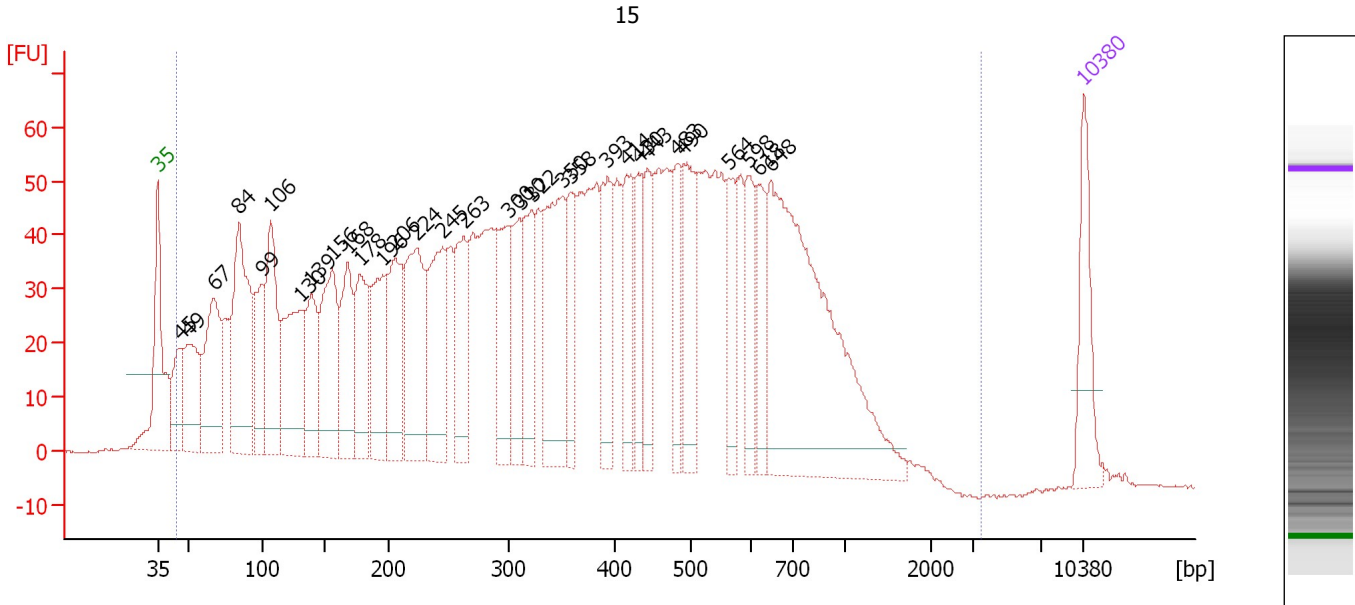
Region table for sample 6 : 14

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
50	2,829	417	2,250.5	38,670.2	5,186.54	97	64.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 15

Number of peaks found: 31 Corr. Area 1: 3,000.6
 Noise: 0.2

Peak table for sample 7 : 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	87.51	2,920.4		44.66
3	49	139.56	4,277.9		45.30
4	67	197.41	4,465.9		47.28
5	84	297.65	5,381.5		49.15
6	99	120.27	1,837.2		50.86
7	106	200.99	2,862.4		51.56
8	130	206.39	2,413.6		53.75
9	139	125.55	1,372.5		54.60
10	156	198.98	1,938.1		56.21
11	168	143.75	1,296.5		57.39
12	178	140.67	1,200.2		58.29
13	196	134.79	1,043.7		60.01
14	206	148.71	1,093.4		60.97
15	224	201.71	1,362.9		62.63
16	245	179.57	1,109.0		64.55
17	263	132.39	762.9		66.16
18	300	117.18	592.1		69.52
19	310	103.94	507.3		70.38
20	322	111.26	523.9		71.29
21	350	218.86	946.5		73.59
22	358	85.18	360.2		74.23
23	393	108.28	417.6		77.01
24	414	100.95	369.2		78.40
25	430	81.87	288.3		79.31

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	443	88.05	300.9		80.06
27	483	81.64	256.3		82.30
28	490	118.28	365.6		82.73
29	564	81.61	219.1		86.21
30	598	72.77	184.2		87.76
31	618	75.89	186.0		88.40
32	648	531.37	1,241.7		89.36
33	10,380	75.00	10.9	Upper Marker	113.00

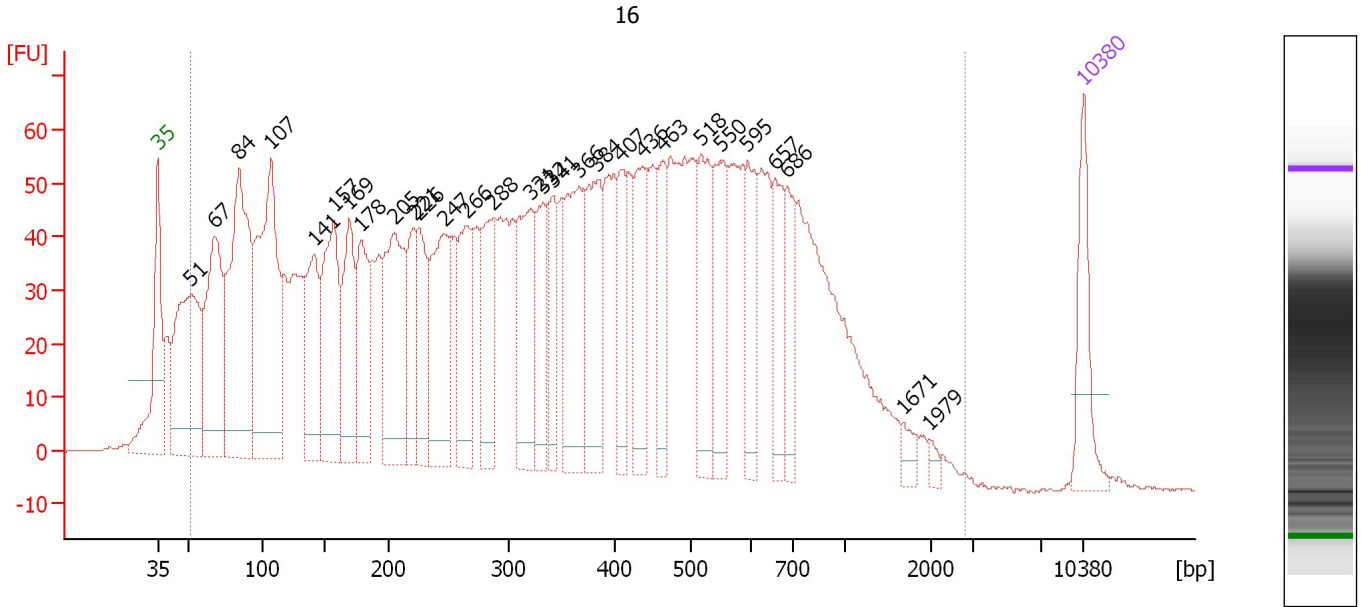
Region table for sample 7 : 15

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
44	3,467	399	3,000.6	48,084.5	6,006.18	99	63.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 16

Number of peaks found: 29 Corr. Area 1: 3,322.1
 Noise: 0.2

Peak table for sample 8 : 16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	51	336.36	9,934.7		45.53
3	67	289.14	6,509.4		47.31
4	84	454.79	8,224.2		49.15
5	107	437.11	6,213.5		51.57
6	141	172.60	1,857.6		54.81
7	157	245.20	2,370.3		56.32
8	169	170.21	1,523.5		57.51
9	178	156.59	1,330.0		58.37
10	205	247.73	1,827.7		60.90
11	221	98.20	672.2		62.36
12	226	124.05	831.4		62.79
13	247	206.44	1,267.6		64.68
14	266	146.50	835.5		66.41
15	288	130.94	690.0		68.40
16	321	171.90	810.4		71.26
17	332	106.71	486.8		72.12
18	341	87.08	386.3		72.88
19	366	195.91	810.4		74.87
20	384	155.22	612.9		76.27
21	407	91.10	338.9		78.00
22	436	128.88	448.3		79.62
23	463	83.84	274.3		81.18
24	518	136.50	399.5		84.09
25	550	123.46	340.3		85.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : 16

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	595	103.48	263.5		87.60
27	657	83.32	192.0		89.65
28	686	70.87	156.5		90.57
29	1,671	17.11	15.5		99.36
30	1,979	8.64	6.6		101.35
31	10,380	75.00	10.9	Upper Marker	113.00

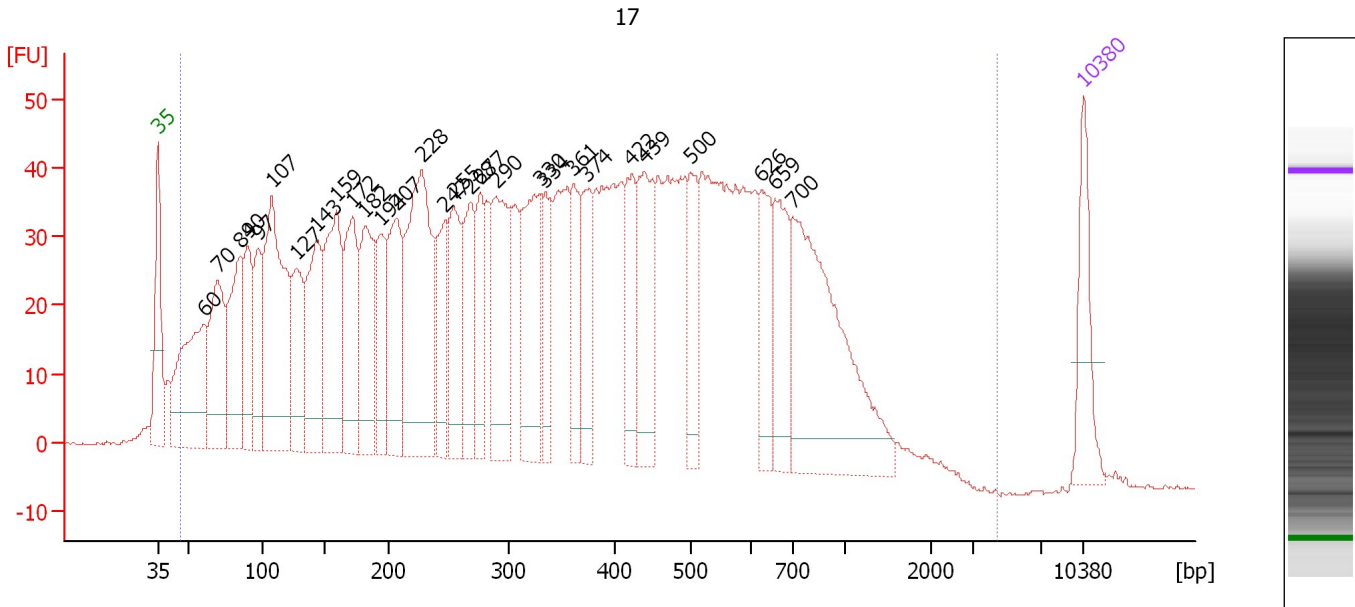
Region table for sample 8 : 16

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
51	2,809	417	3,322.1	52,308.1	6,530.01	97	74.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17

Number of peaks found: 29 Corr. Area 1: 2,491.9
 Noise: 0.2

Peak table for sample 9 : 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	60	270.48	6,855.2		46.48
3	70	199.28	4,340.9		47.57
4	84	203.55	3,662.2		49.20
5	90	133.67	2,248.3		49.85
6	97	123.41	1,929.2		50.61
7	107	378.57	5,346.0		51.64
8	127	142.76	1,705.6		53.49
9	143	199.28	2,104.5		55.07
10	159	250.09	2,383.5		56.53
11	172	188.03	1,660.1		57.73
12	182	188.53	1,569.9		58.71
13	194	109.95	858.7		59.85
14	207	180.78	1,320.1		61.10
15	228	353.59	2,346.2		63.00
16	247	100.72	618.3		64.68
17	255	149.36	889.0		65.39
18	268	132.39	747.7		66.64
19	277	105.39	577.3		67.40
20	290	197.15	1,031.1		68.60
21	330	194.28	891.5		71.97
22	334	88.09	400.1		72.24
23	361	98.25	412.8		74.41
24	374	95.36	386.2		75.50
25	422	105.28	378.4		78.82

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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 Modified: 5/17/2016 1:41:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	439	148.06	511.4		79.79
27	500	101.27	307.1		83.27
28	626	97.85	236.8		88.65
29	659	112.95	259.9		89.68
30	700	372.78	807.3		90.99
31	10,380	75.00	10.9	Upper Marker	113.00

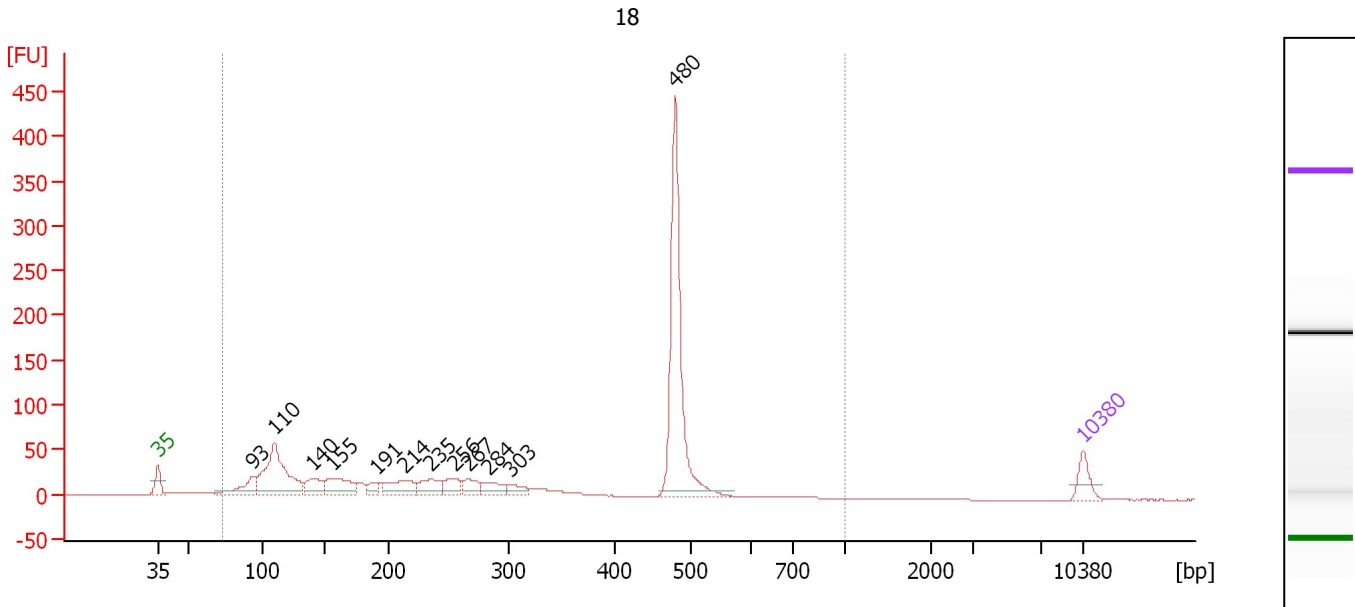
Region table for sample 9 : 17

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
46	4,395	398	2,491.9	50,676.9	6,392.33	98	69.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 18

Number of peaks found: 12 Corr. Area 1: 1,177.2
 Noise: 0.2

Peak table for sample 10 : 18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	93	156.42	2,557.7		50.14
3	110	628.58	8,685.4		51.86
4	140	142.71	1,545.3		54.73
5	155	209.71	2,045.3		56.19
6	191	56.28	447.0		59.54
7	214	169.89	1,202.2		61.70
8	235	134.49	865.5		63.65
9	256	100.70	596.9		65.49
10	267	90.88	516.0		66.51
11	284	98.06	523.1		68.08
12	303	59.99	300.2		69.76
13	480	1,040.09	3,285.0		82.14
14	10,380	75.00	10.9	Upper Marker	113.00

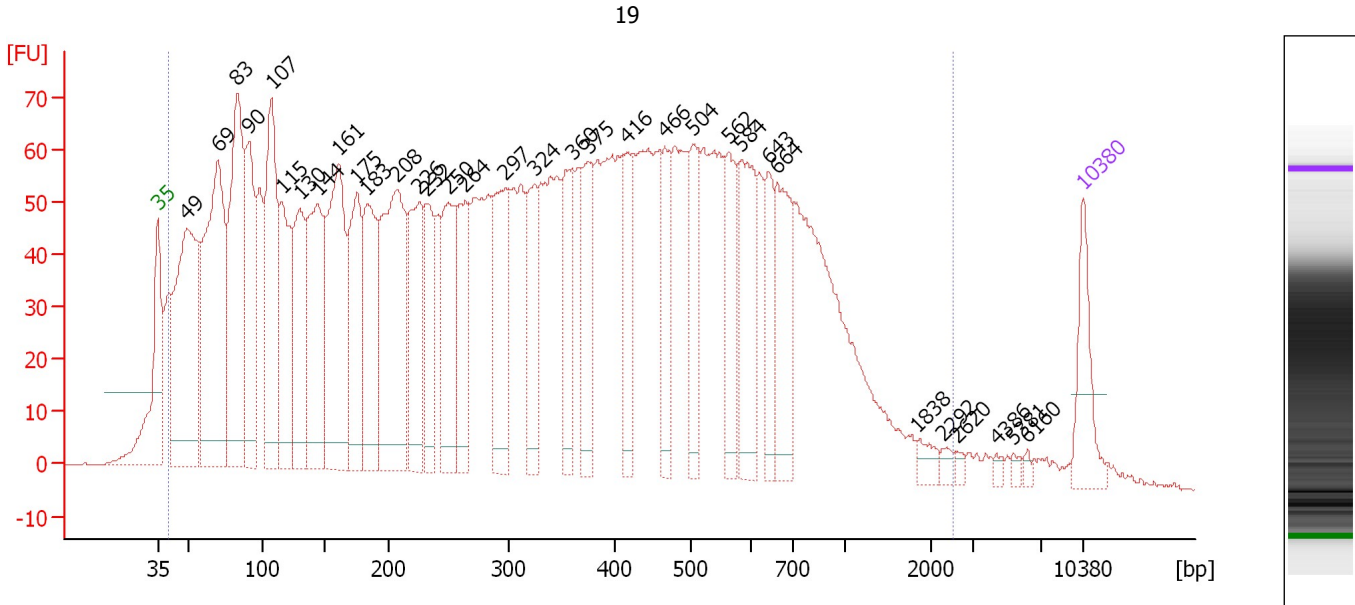
Region table for sample 10 : 18

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
72	1,000	335	1,177.2	24,541.2	3,222.26	98	47.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 19

Number of peaks found: 33 Corr. Area 1: 4,049.3
 Noise: 0.1

Peak table for sample 11 : 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	49	508.75	15,805.2		45.19
3	69	558.51	12,184.9		47.55
4	83	458.16	8,387.3		49.03
5	90	286.55	4,815.2		49.86
6	107	370.80	5,251.0		51.61
7	115	236.40	3,111.8		52.38
8	130	226.47	2,647.6		53.75
9	144	325.63	3,424.0		55.12
10	161	404.11	3,805.3		56.71
11	175	248.76	2,148.9		58.09
12	183	242.64	2,009.7		58.80
13	208	428.09	3,125.1		61.10
14	226	218.59	1,464.2		62.80
15	232	154.12	1,008.3		63.30
16	250	207.89	1,261.7		64.94
17	264	154.59	886.9		66.26
18	297	215.86	1,100.6		69.28
19	324	143.22	669.7		71.47
20	360	139.59	587.2		74.38
21	375	147.31	594.9		75.59
22	416	126.10	459.4		78.49
23	466	106.83	347.4		81.35
24	504	128.82	387.1		83.49
25	562	129.40	348.7		86.12

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	584	176.91	458.9		87.11
27	643	90.05	212.2		89.19
28	664	141.68	323.4		89.85
29	1,838	18.94	15.6		100.44
30	2,292	9.47	6.3		102.41
31	2,620	6.65	3.8		103.45
32	4,386	6.39	2.2		106.42
33	5,381	6.96	2.0		107.68
34	6,160	6.20	1.5		108.67
35	▶ 10,380	75.00	10.9	Upper Marker	113.00

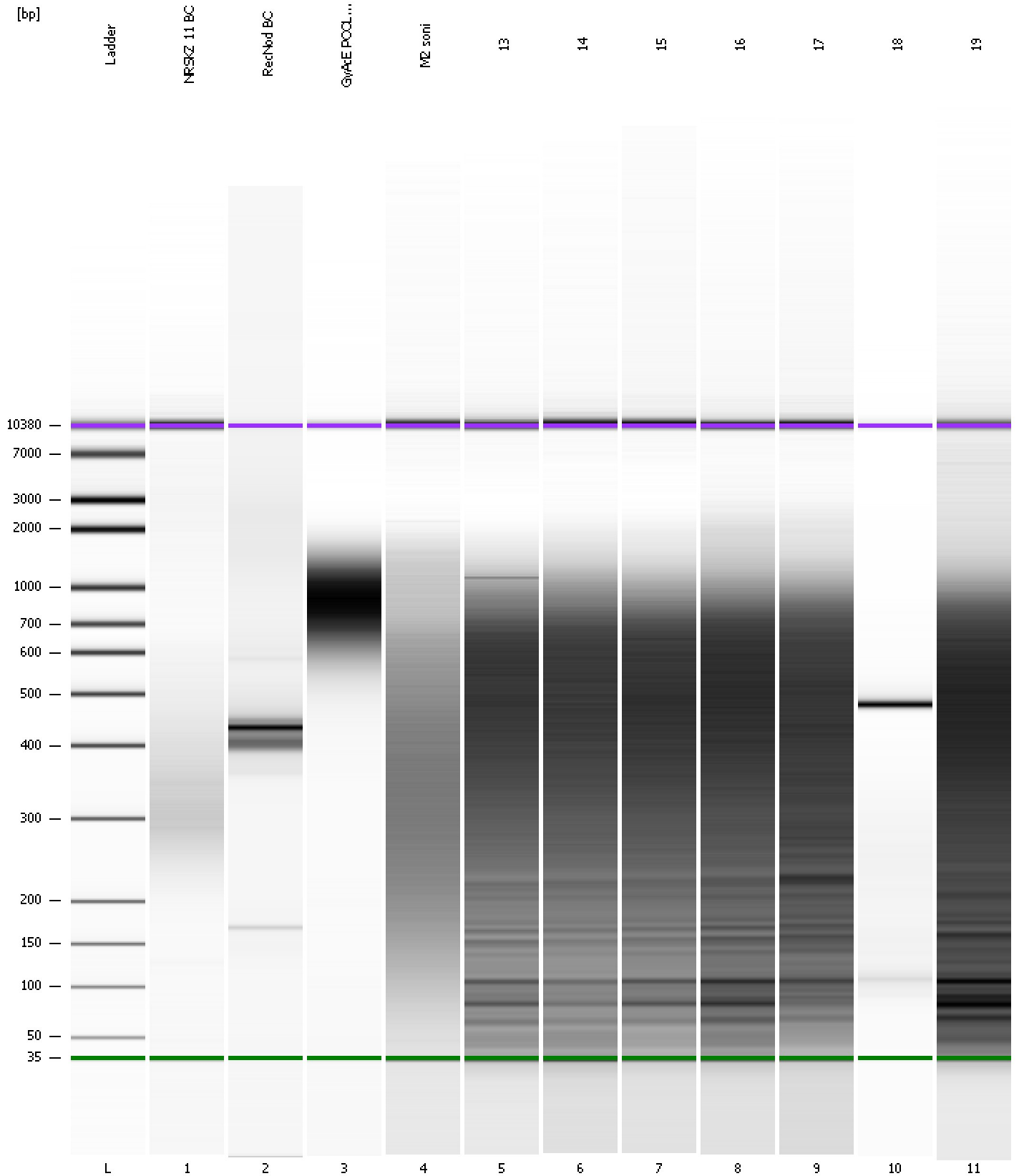
Region table for sample 11 : 19

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
40	2,519	386	4,049.3	93,866.6	■ 9,722.14	98	79.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
Modified: 5/17/2016 1:41:31 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad

Created: 5/17/2016 12:31:23 PM
 Modified: 5/17/2016 1:41:31 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		5/17/2016 1:11:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-05-17\2016-05-17_003.xad)		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/17/2016 12:31:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1